

WHAT IS CLAIMED IS:

1. A flashlight assembly comprising:
a housing;
at least one light emitting diode (LED) mounted within the housing
generating an LED beam and serving as the light source for the flashlight; and
an optical assembly extending from an end of the housing for focusing
and dispersing the LED to a desired light contour.
2. The flashlight assembly according to claim 1, wherein a plurality of
LEDs are arranged concentrically around a single LED thereby forming a substantially
circular configuration.
3. The flashlight assembly according to claim 1, wherein the housing
encloses a series of batteries operating as the power source for the flashlight.
4. The flashlight assembly according to claim 1, wherein the optical
assembly is selectively adjustable for focusing and dispersing the LED beam as desired.
5. The flashlight assembly according to claim 1, wherein the optical
assembly is fixed and the LED serving as the light source is selectively moveable for
focusing and dispersing the LED beam as desired.
6. The flashlight assembly according to claim 1, further comprising an
adjustable switch coupled to a variable resistor for controlling the level of optical
output.
7. The flashlight assembly according to claim 6, wherein the switch is
adapted to selectively turn on and off any select number of the at least one LED,
thereby allowing a user to choose from several different levels of illumination.

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8. The flashlight assembly according to claim 6, wherein the switch operates as a step level variable control having at least two distinct levels of illumination.

9. The flashlight assembly according to claim 6, wherein the switch operates as a rheostat having continuous variable control thereby allowing selective desired levels of illumination.

10. The flashlight assembly according to claim 1, further comprising an electronic current regulator enclosed by the housing for allowing the LED beam to remain at a constant and desired light level.

11. The flashlight assembly according to claim 1, further comprising a dynamic pulse control system.

12. A flashlight assembly comprising:
a housing; and
at least one light emitting diode (LED) mounted within the housing generating an LED beam and serving as the light source.

13. A flashlight assembling according to claim 12, further comprising an optical assembly extending from an end of the housing for focusing and dispersing the at least one LED to a desired light contour.

14. The flashlight assembly according to claim 13, wherein the optical assembly is selectively adjustable for focusing and dispersing the LED beam as desired

15. The flashlight assembly according to claim 13, wherein the optical assembly is fixed and the LED serving as the light source is selectively moveable for focusing and dispersing the LED beam as desired.

16. The flashlight assembly according to claim 12, wherein a plurality of LEDs are arranged concentrically around a single LED thereby forming a substantially circular configuration.

5 17. The flashlight assembly according to claim 12, wherein the housing encloses a series of batteries operating as the power source for the flashlight.

10 18. The flashlight assembly according to claim 12, further comprising an adjustable switch coupled to a variable resistor for controlling the level of optical output.

15 19. The flashlight assembly according to claim 18, wherein the switch is adapted to selectively turn on and off any select number of the at least one LED, thereby allowing a user to choose from several different levels of illumination.

20 20. The flashlight assembly according to claim 18, wherein the switch operates as a step level variable control having at least two distinct levels of illumination.

20 21. The flashlight assembly according to claim 18, wherein the switch operates as a rheostat having continuous variable control thereby allowing selective levels of illumination.

25 22. The flashlight assembly according to claim 12, further comprising an electronic current regulator enclosed by the housing for allowing the LED beam to remain at a constant and desired light level.

23. The flashlight assembly according to claim 12, further comprising a dynamic pulse control system.